Subject Index

of the

Transactions of the Optical Society

Vols. I—XXV

By

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FOREWORD

THE Subject Index to Vols. I–XXV of the *Transactions of the Optical Society* is here presented in the form of bibliographical notices drawn up in accordance with the methods and decimal notation of subject set forth in the manual* upon the Decimal Bibliographical Classification. This manual therefore is essential as a key to the Subject Index.

The bibliographical notices are printed upon one side of thin paper in order that they may be cut and gummed to 5″ × 3″ cards for the purpose of forming a continuous subject index to the information contained in the papers printed in the *Transactions*. Similar bibliographical notices will be published in the future for each volume or part of a volume as it appears.

Usually a paper deals with one subject only, but in many instances papers deal with more than one subject. In these cases the bibliographical notice of the paper is repeated with the appropriate decimal number for the purpose of filing in the correct place in the card index.

Thus, for example, the paper by Charles V. Drysdale, entitled "Some New Optical Instruments" (Vol. 14, pt. 2) deals with many subjects and the bibliographical notice appears under the following decimal numbers:

531.717	Spherometer.
535.07	Optical bench.
535.24 : 535.8	Absorption photometer for instruments.
535.424	Definition tester.
535.733.1	Apparatus for testing colour vision.
535.733.3	Apparatus for testing colour blindness.
535.83	Opera and field glasses.

* The *Decimal Bibliographical Classification of the Institut International de Bibliographie*, partly translated for the formation and use of a Universal Bibliographical Repertory concerning Optics, Light and Cognate Subjects, by Professor A. F. C. Pollard. Published by the Optical Society.

An attempt has been made to index all subjects of real scientific and industrial interest discussed in the *Transactions*. But it is fully recognised that opinion may differ upon this matter. If a notice has been assigned a decimal number which is considered incorrect or a subject has been passed over, it is an easy matter to make good the omission and write out a card by the aid of the manual. The Secretary will be glad to receive notice of such omissions in order that these may be published and the index made as complete as possible in the course of time.

It should be noted that only papers, exhibitions, demonstrations, reviews and obituary notices have been indexed. Abstracts of Patent Specifications are not included in the index. It should also be noted that the date preceding the title of a paper is the date of precedence or the date the paper was first received by the Editor and is of historical importance. Where the date of a paper is not given in the *Transactions* it has been extracted from the minutes of the Society's Council meetings.

The manner of referring to the volume in heavy type, followed by the year of publication and the pages in a parenthetical sign, has been borrowed from the *International Catalogue of Scientific Literature*. It is felt that this style cannot be improved upon for clearness, simplicity and economy in printing.

Those members of the Society who desire to supplement their Subject Index with an Author Index may obtain a second copy of the Index to Vols. I–XXV, in wrapper but not stitched, at a reduction on the published price.

A. F. C. P.

March 25, 1926.

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Thompson, Silvanus P

1905.03.16. The early literature of optics. (Presidential address.)

London, Trans. Opt. Soc. **6** 1904–1905 (63–73).

5 (078)

Whipple, Robert S

1921.02.10. The design and construction of scientific instruments. (Presidential address.)

London, Trans. Opt. Soc. **22** 1920–1921 (35–52).

5 (078) (03)

[. . .

Dictionary of British Scientific Instruments.

Issued by the British Optical Instrument Manufacturers Association.

London. Constable & Co., Ltd. 21*s*.

London, Trans. Opt. Soc. **22** 1920–1921 (242).

519.6

Carse, G A

1917.04.12. Note on accuracy of observation and precision in measurement.

London, Trans. Opt. Soc. **18** 1917 (114–119).

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1912.01.11. Some modern telescope constructions.

London, Trans. Opt. Soc. **13** 1911–1913 (7–9).

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1912.12.12. On the construction of astronomical instruments.
London, Trans. Opt. Soc. **13** 1911–1913 (64–97).

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1923.02.08. Large telescopes. (Presidential address.)
London, Trans. Opt. Soc. **24** 1922–1923 (61–68).

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1923.05.24. Early telescopes in the Science Museum, from an historical standpoint.
London, Trans. Opt. Soc. **24** 1922–1923 (304–320).

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Wood, R W

1910.09.29. The Thomas Young oration.
London, Trans. Opt. Soc. **12** 1910–1911 (22–65).

52.224

[. . .

1921. The Adjustment and Testing of Telescope Objectives. Third edition.
T. Cooke & Sons, Ltd., London and York. Pp. 123; 30 figs. and 3 plates. 12*s.* net.
London, Trans. Opt. Soc. **23** 1921–1922 (61).

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1924.01.10. Replicas of two Galileo telescopes.
London, Trans. Opt. Soc. **25** 1923–1924 (141–144).

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London, Trans. Opt. Soc. **24** 1922–1923 (289–303).

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1912.03.14. Some new optical instruments. Demonstration of new compass and sextant.

London, Trans. Opt. Soc. **13** 1911–1913 (28).

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1914.04.23. The design of a sextant.

London, Trans. Opt. Soc. **14** 1913–1914 (86–100).

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1918.10.10. The centring error of a sextant.

London, Trans. Opt. Soc. **20** 1918–1919 (1–10).

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1923.02.08. Exhibit of a prismatic astrolabe.

London, Trans. Opt. Soc. **24** 1922–1923 (110).

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1914.01.08. (1) The Paget artificial horizon for attaching to the sextant and use in a sea-way.
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London, Trans. Opt. Soc. **14** 1913–1914 (59–66).

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London, Trans. Opt. Soc. 13 1911–1913 (64–97).

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1923.03.22. Surveying and navigational instruments from the historical standpoint.
London, Trans. Opt. Soc. 24 1922–1923 (289–303).

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London, Trans. Opt. Soc. 14 1913–1914 (59–66).

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1923.01.11. The amount of the displacement in gelatine films shown by precise measurements of stellar photographs.
London, Trans. Opt. Soc. 24 1922–1923 (41–46, 186).

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1912.03.14. Some new optical instruments. The improved Zeiss level.
London, Trans. Opt. Soc. 13 1911–1913 (23–28).

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Connolly, T F

1923.09.20. New types of levelling instruments using reversible bubbles.
London, Trans. Opt. Soc. 25 1923–1924 (21–37).

526.9 (021)

Gordon, J W

1922. Generalised linear perspective, treated with special reference to photographic land surveying and military reconnaissance.

Pp. xvi + 184; 51 figs. 21*s.* net.

London, Trans. Opt. Soc. **24** 1922–1923 (187).

52.691

Troughton and Simms, Ltd.

1917.01.11. Exhibit of micrometer theodolite.

London, Trans. Opt. Soc. **18** Suppl. 1917 (40 S).

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Hughes and Son, Ltd., H

1919.03.13. Exhibit of the Husun azimuth sight.

London, Trans. Opt. Soc. **20** 1918–1919 (199).

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Connolly, T F

1923.04.24. A new form of balloon theodolite.

London, Trans. Opt. Soc. **24** 1922–1923 (326–328).

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1923.03.22. Surveying and navigational instruments from the historical standpoint.

London, Trans. Opt. Soc. **24** 1922–1923 (289–303).

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Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of piece of scale for testing angles.

London, Trans. Opt. Soc. **18** Suppl. 1917 (45 S).

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1917.03.08. A variable angle collimator.
London, Trans. Opt. Soc. 18 1917 (62–68).

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Worsnop, B L
Flint, H T
1923. Advanced practical physics for students.
London: Methuen & Co., Ltd. Pp. viii + 640; 394 figs. 21s. net.
London, Trans. Opt. Soc. 24 1922–1923 (257).

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Glazebrook, [Sir] R T
1904.01.21. The Optical Society and the National Physical Laboratory.
London, Trans. Opt. Soc. 5 1903–1904 (56–86).

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1913.05.08. On recent advances in optical projection work.
London, Trans. Opt. Soc. 13 1911–1913 (162–178).

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1911.10.26. A new form of vernier micrometer.
London, Trans. Opt. Soc. 13 1911–1913 (1)

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1921.06.09. The S.I.P. universal measuring machine.
London, Trans. Opt. Soc. 22 1920–1921 (237–241).

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1900.11.15. On a simple direct method of determining the curvatures of small lenses.
London, Trans. Opt. Soc. **2** 1900–1901 (1–12).

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1910.11.10. On ophthalmic instruments.
London, Trans. Opt. Soc. **12** 1910–1911 (105–112).

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1913.11.13. Some new optical instruments.
London, Trans. Opt. Soc. **14** 1913–1914 (19–39).

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1914.04.23. On the measurement of curvature of small lenses.
London, Trans. Opt. Soc. **14** 1913–1914 (82–85).

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1916.04.13. On laboratory measurements for workshop purposes.
London, Trans. Opt. Soc. **16** 1915–1916 (162–188).

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1916.12.14. On the refractometry and identification of glass specimens—especially lenses.
London, Trans. Opt. Soc. **17** 1916 (76–92, 97–106).

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Chalmers, S D

1917.01.11. Exhibit of apparatus for the measurement of curvature of test plates of radii less than 60 mm.
London, Trans. Opt. Soc. **18** Suppl. 1917 (5 S–6 S).

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1917.01.11. Exhibit of apparatus for measuring the curvature of shallow curves and for measuring differences of curvature.

London, Trans. Opt. Soc. **18** Suppl. 1917 (6 S).

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1917.01.11. Exhibit of telescopic method for determining the principal curvatures of a nearly flat surface.

London, Trans. Opt. Soc. **18** Suppl. 1917 (12 S).

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Hughes and Son, Ltd., Henry.

1917.01.11. Exhibit of a measuring microscope for workshop purposes.

London, Trans. Opt. Soc. **18** Suppl. 1917 (15 S–19 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of glass discs as primary standards of curvature.

London, Trans. Opt. Soc. **18** Suppl. 1917 (41 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of micrometer for measuring the thickness of large lenses.

London, Trans. Opt. Soc. **18** Suppl. 1917 (42 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of ring spherometer.

London, Trans. Opt. Soc. **18** Suppl. 1917 (43 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of determination of curvature of polished surfaces by the microscope.
London, Trans. Opt. Soc. **18** Suppl. 1917 (44 S).

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Guild, J

1918.01.10. A spherometer of precision.
London, Trans. Opt. Soc. **19** 1917–1918 (103–111).

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Guild, J

1920.12.15. Curvature measurements.
London, Trans. Opt. Soc. **22** 1920–1921 (127–138).

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Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of apparatus for testing azimuth angles.
London, Trans. Opt. Soc. **18** Suppl. 1917 (51 S).

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1924.02.14. The circular dividing engine of Edward Troughton, 1793.
London, Trans. Opt. Soc. **25** 1923–1924 (135–140).

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1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.
London, Trans. Opt. Soc. **16** 1915–1916 (189–223).

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1917.06.14. An optical method for accurately dividing a circle into degrees.
London, Trans. Opt. Soc. 18 1917 (237–242).

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1905.11.16. Stroboscopy.
London, Trans. Opt. Soc. 7 1905–1906 (1–16).

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Johnson, B K

1923.12.13. Exhibit of an optical revolution counter.
London, Trans. Opt. Soc. 25 1923–1924 (38–39).

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Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of simple instrument for testing the sensitiveness of bubbles.
London, Trans. Opt. Soc. 18 Suppl. 1917 (45 S).

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Henrici, E O

1918.12.12. Spirit levels.
London, Trans. Opt. Soc. 20 1918–1919 (45–57).

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Williams, A C

1919.01.09. The design and inspection of certain optical munitions of war.
London, Trans. Opt. Soc. 20 1918–1919 (97–120).

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Weston, S

1922.12.14. "Compensated" and "Constant" spirit levels.
London, Trans. Opt. Soc. 24 1922–1923 (52–55).

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1923.04.20. Levels and level bubbles.
London, Trans. Opt. Soc. **24** 1922–1923 (261–288).

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Connolly, T F

1923.09.20. New types of levelling instruments using reversible bubbles.
London, Trans. Opt. Soc. **25** 1923–1924 (21–37).

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Martin, L C

1923.03.22. Surveying and navigational instruments from the historical standpoint.
London, Trans. Opt. Soc. **24** 1922–1923 (289–303).

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French, James W

1919.02.13. Description of a German circular spirit level.
London, Trans. Opt. Soc. **20** 1918–1919 (157–159).

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Thornthwaite, W H E

1899.10.26. Presidential address.
London, Trans. Opt. Soc. **1** 1899–1900 (1–3).

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Walmsley, R Mullineux

1900.03.22. Presidential address.
London, Trans. Opt. Soc. **1** 1899–1900 (32–47).

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Drysdale, C V

1903.04.16. Presidential address.
London, Trans. Opt. Soc. **4** 1902–1903 (63–89).

535 (021)

Laurance, Lionel.

1920. General and Practical Optics. Third and revised edition.

London, School of Optics, Ltd., 2, Guildford Place, W.C. Pp. viii and 350; 370 figures. 21*s.* net.

London, Trans. Opt. Soc. **22** 1920–1921 (31–32).

535 (021)

Fabry, Ch.

1923. La Lumière Monochromatique, sa Production et son Emploi en Optique Pratique.

Published by the Revue d'Optique théorétique et instrumentale. Pp. 37; 16 figs. 3 fr.

London, Trans. Opt. Soc. **25** 1923–1924 (40).

535 (071)

Walmsley, R Mullineux.

1906.02.16. The optical classes at the Northampton Institute.

London, Trans. Opt. Soc. 7 1905–1906 (56–60).

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Walmsley, R Mullineux.

1906.03.15. Presidential address.

London, Trans. Opt. Soc. 7 1905–1906 (61–85).

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1905.03.16. The early literature of optics. (Presidential address.)

London, Trans. Opt. Soc. 6 1904–1905 (63–73).

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1913.11.13. Some new optical instruments.

London, Trans. Opt. Soc. **14** 1913–1914 (19–39).

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Raphael's, Ltd.

1917.01.11. Exhibit of optical bench.
London, Trans. Opt. Soc. **18** Suppl. 1917 (32 S).

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Cheshire, F J

1921.01.13. Exhibit of a student's optical bench.
London, Trans. Opt. Soc. **22** 1920–1921 (93–94).

535.1 (048)

Jeans, J H

1924. The Physical Society of London: Report on Radiation and the Quantum Theory. Second edition.
London: Fleetway Press, Ltd. Pp. 86; 3 figs. 7*s.* 6*d.* net; bound in cloth 10*s.* 6*d.* net.
London, Trans. Opt. Soc. **25** 1923–1924 (227).

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Crichton-Browne, Sir James.

1915.01.20. The Thomas Young oration.
London, Trans. Opt. Soc. **15** Suppl. 1914–1915 (1–36).

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1913.11.13. Some new optical instruments.
London, Trans. Opt. Soc. **14** 1913–1914 (19–39).

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1921.12.23. The photometry of optical instruments.
London, Trans. Opt. Soc. **23** 1921–1922 (205–216).

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1904.01.21. The Optical Society and the National Physical Laboratory.

London, Trans. Opt. Soc. 5 1903–1904 (56–86).

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Bull, A J

1921.12.21. A non-polarising spectrophotometer.

London, Trans. Opt. Soc. 23 1921–1922 (197–204).

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Smith, T

1913.11.13. Practical optical calculations.

London, Trans. Opt. Soc. 13 1911–1913 (196–233).

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1921.05.21. A discussion on "The future of geometrical optics."

London, Trans. Opt. Soc. 22 1920–1921 (201–224).

535·31 (021)

Steinheil, Adolph.

Voit, Ernest.

1918–1919. Applied Optics: The Computation of Optical Systems. Translated and edited by James Weir French, B.Sc. London and Glasgow: Blackie & Sons, Ltd. 2 vols. 15*s.* each.

London, Trans. Opt. Soc. 21 1919–1920 (106).

535·31 (021)

Southall, James P C

1923. Mirrors, Prisms, and Lenses. A Textbook of Geometrical Optics. Enlarged and revised edition.

New York: The Macmillan Company. Pp. xix + 657; 287 figs. 15*s.* net.

London, Trans. Opt. Soc. 24 1922–1923 (258).

535.31 (021)

Czapski, S
Eppenstein, O

1924. Grundzüge der Theorie der optischen Instrumente nach Abbe. Third edition.
Leipzig: Johann Ambrosius Barth. Pp. xx + 747; 316 figs. 33 M.
London, Trans. Opt. Soc. **25** 1923–1924 (228).

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Eden, E M

1918.03.14. Method of observing faults in plane silvered mirrors.
London, Trans. Opt. Soc. **19** 1917–1918 (139).

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1918.03.14. Exhibit showing a change of phase in the light reflected by a surface on silvering.
London, Trans. Opt. Soc. **19** 1917–1918 (140–141).

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Shackleton, Wm.

1921.04.04. The testing of heliograph mirrors and the measurement of mirrors of long focal length.
London, Trans. Opt. Soc. **22** 1920–1921 (167–173).

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1918.04.11. The balsam problem.
London, Trans. Opt. Soc. **19** 1917–1918 (143–163).

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1920.02.10. A ray-plotter.
London, Trans. Opt. Soc. **21** 1919–1920 (100–101).

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1920.11.06. Transmission of light through a pile of parallel plates.

London, Trans. Opt. Soc. **22** 1920–1921 (88–90).

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1923.03.06. On the form of the wave-surface of refraction.

London, Trans. Opt. Soc. **24** 1922–1923 (209–225).

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1905.01.16. A method of testing prisms.

London, Trans. Opt. Soc. **6** 1904–1905 (34–42).

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1916.02.10. Optical or visual signalling.

London, Trans. Opt. Soc. **16** 1915–1916 (58–110).

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1916.04.13. On laboratory measurements for workshop purposes.

London, Trans. Opt. Soc. **16** 1915–1916 (162–188).

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1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.

London, Trans. Opt. Soc. **16** 1915–1916 (189–223).

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1917.01.11. Exhibit of instrument for testing the angles of prisms.

London, Trans. Opt. Soc. **18** Suppl. 1917 (6 S).

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Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of polariscope.

London, Trans. Opt. Soc. **18** Suppl. 1917 (29 S).

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Uni-Bifocal Co., Ltd.

1917.01.11. Exhibit of prism testing.

London, Trans. Opt. Soc. **18** Suppl. 1917 (40 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of prism testing machine.

London, Trans. Opt. Soc. **18** Suppl. 1917 (41 S–42 S).

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Watson and Sons, Ltd., W

1917.01.11. Exhibit of the "naked eye" test for right-angle prisms by the "optical square" image.

London, Trans. Opt. Soc. **18** Suppl. 1917 (44 S).

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1918.02.14. Reflecting prisms.

London, Trans. Opt. Soc. **19** 1917–1918 (113–119).

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1918.03.14. The detection of "ghosts" in prisms.

London, Trans. Opt. Soc. **19** 1917–1918 (120–137).

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1919.11. The incident angles corresponding to given deviation produced by a prism.

London, Trans. Opt. Soc. **21** 1919–1920 (49–50).

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Baker, T V

1920.06.04. The inverting prism.

London, Trans. Opt. Soc. **21** 1919–1920 (217–218).

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Guild, J

1920.11.27. Note on pyramidal error in prisms.

London, Trans. Opt. Soc. **22** 1920–1921 (139–142).

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Guild, J

1922.04.03. Angle comparators of high precision for the goniometry of prisms.

London, Trans. Opt. Soc. **23** 1921–1922 (297–310).

For discussion see *Trans. Opt. Soc.* **24** 1922–1923 (47).

535.315 : 535.511

Woolwich Inspection Department (D.I.O.S.).

1917.01.11 Exhibit of polariscope for testing strain in the prisms of a binocular.

London, Trans. Opt. Soc. **18** Suppl. 1917 (49 S–50 S).

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1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.

London, Trans. Opt. Soc. **16** 1915–1916 (189–223).

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1918.05.09. The spherical aberrations of a thin lens.
London, Trans. Opt. Soc. **20** 1918–1919 (58–66).

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1919.10.15. On the correction of first order astigmatism of a single lens used with a stop.
London, Trans. Opt. Soc. **21** 1919–1920 (65–75).

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Chaundy, Theodore.
1921.06.01. Note on the thin astigmatic lens.
London, Trans. Opt. Soc. **23** 1921–1922 (56–58).

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Smith, T
1923.10.01. A general survey of the thin double lens.
London, Trans. Opt. Soc. **25** 1923–1924 (13–20).

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1923.10.26. The primary and secondary constant magnification surfaces of thin lenses.
London, Trans. Opt. Soc. **25** 1923–1924 (89–95).

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Thompson, Silvanus P
1900.01.18. Lecture on aberrations.
London, Trans. Opt. Soc. **1** 1899–1900 (16–31).

535·317

Blakesley, Thomas H

1900.06.21. The principles of focusing and lens measurement from a practical point of view.
London, Trans. Opt. Soc. 1 1899–1900 (64–71).

535·317

Drysdale, Charles V

1902.05.15. The testing of optical instruments.
London, Trans. Opt. Soc. 3 1901–1902 (70–101).

535·317

Drysdale, C V

1902.12.18. On some points in the design of optical instruments.
London, Trans. Opt. Soc. 4 1902–1903 (11–40).

535·317

Gordon, J W

1910.01.19. On the focus of a lens.
London, Trans. Opt. Soc. 11 1909–1910 (31–64).

535·317

Chalmers, S D

1911.02.09. Astigmatism in lens system.
London, Trans. Opt. Soc. 12 1910–1911 (146–159).

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Chalmers, S D

1912.03.14. Spherical aberration effects.
London, Trans. Opt. Soc. 13 1911–1913 (29).

535·317

Vinycomb, T B

1915.06.03. The achromatism of separated lenses.
London, Trans. Opt. Soc. 15 1914–1915 (244–255).

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Hughes and Son, Ltd., Henry.

1917.01.11. Exhibit of Connolly's focometer.

London, Trans. Opt. Soc. **18** Suppl. 1917 (19 S).

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Cochrane, Charles.

1917.04.12. A simple proof of the expression for the focal power of a thick lens.

London, Trans. Opt. Soc. **18** 1917 (120–121).

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Chalmers, S D

1917.04.12. First approximation relations in centred optical systems.

London, Trans. Opt. Soc. **18** 1917 (122–137).

535·317

Chaundy, Theodore.

1918.10.10. Astigmatism: interchangeability of planes of stop and object.

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Smith, T

1918.11.14. Some generalised forms of an optical equation.

London, Trans. Opt. Soc. **20** 1918–1919 (23–36).

535·317

Baker, T Y

Filon, L N G

1918.12.12. On an empirical formula for the longitudinal spherical aberrations in a thick lens.

London, Trans. Opt. Soc. **20** 1918–1919 (67–92).

535·317

Everett, Alice.

1919.03. Note on the paper "Some generalised forms of an optical equation."

London, Trans. Opt. Soc. **20** 1918–1919 (203).

535·317

Griffiths, C H

1920.01.08. Diffraction patterns in the presence of spherical aberration.

London, Trans. Opt. Soc. **21** 1919–1920 (87–99).

535·317

Smith, T

1920.12.15. Note on dispersion formulae and the secondary spectrum.

London, Trans. Opt. Soc. **22** 1920–1921 (99–110).

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Lee, H W

1921.05.12. Achromatism.

London, Trans. Opt. Soc. **22** 1920–1921 (225–234).

535·317

Martin, L C

1921.11.10. A physical study of spherical aberration.

London, Trans. Opt. Soc. **23** 1921–1922 (63–92).

535·317

Smith, T

Gillman, L M

1922.05.08. Note on achromatism with one glass.

London, Trans. Opt. Soc. **23** 1921–1922 (328–332).

535·317

Smith, T

1922.05.24. The changes in aberrations when the object and stop are moved.
London, Trans. Opt. Soc. **23** 1921–1922 (311–322).

535·317

Martin, L C

1922.06.07. A physical study of coma.
London, Trans. Opt. Soc. **24** 1922–1923 (1–9).

535·317

Smith, T

1922.12.01. The optical cosine law.
London, Trans. Opt. Soc. **24** 1922–1923 (31–40).

535·317

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1923.02.24. Optical designing as an art.
London, Trans. Opt. Soc. **24** 1922–1923 (143–167).

535·317

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1923.12.13. The relation between aperture, axial thickness, and form for a single lens.
London, Trans. Opt. Soc. **25** 1923–1924 (107–112).

535·317

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1924.02.01. The addition of aberrations.
London, Trans. Opt. Soc. **25** 1923–1924 (177–199).

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1924.02.21. Study of the significance of the Foucault knife-edge test when applied to refracting systems.
London, Trans. Opt. Soc. **25** 1923–1924 (219–226).

535·317

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1924.05.08. A reference system for primary aberrations.
London, Trans. Opt. Soc. **25** 1923–1924 (130–134).

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Smith, T

1924.06.02. A general solution of the first order aberrational equations.
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London, Trans. Opt. Soc. **22** 1920–1921 (30–31).

535·317 : 535·417

Perry, J W

1923.12.06. The determination of aberrations, as expressed in geometrical optics, from the indications of the Hilger interferometer.
London, Trans. Opt. Soc. **25** 1923–1924 (97–106).

535·317 : 535·417

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Kingslake, R

1924.02.14. The measurement of chromatic aberration on the Hilger lens testing interferometer.
London, Trans. Opt. Soc. **25** 1923–1924 (213–218).

535.317 : 535.85

Smith, T

Anderson, John S

1921.12.19. A criticism of the nodal slide as an aid in testing photographic lenses.

London, Trans. Opt. Soc. **23** 1921–1922 (188–196).

535.317.0014

Drysdale, C V

1900.06.21. A simple direct method of testing spherical and cylindrical lenses.

London, Trans. Opt. Soc. **1** 1899–1900 (72–83).

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1903.01.15. On the Berthonian system of standardising astronomical eyepieces.

London, Trans. Opt. Soc. **4** 1902–1903 (41–49).

535.318

Gifford, J W

1915.04.15. On a fluor-glass concentric eyepiece for high powers.

London, Trans. Opt. Soc. **15** 1914–1915 (183–186, 202–204).

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Everitt, P F

1917.05.09. On the design and testing of telescope objectives.

London, Trans. Opt. Soc. **18** 1917 (142–159), discussion (196).

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Smith, T

1917.05.09. Principles and methods of calculating telescope objectives.

London, Trans. Opt. Soc. **18** 1917 (160–182), discussion (196).

535·318

Chalmers, S D

1917.05.09. Calculation of telescope objectives free from chromatic and spherical aberrations.

London, Trans. Opt. Soc. **18** 1917 (183–196), discussion (196).

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Smith, T

1918.06.13. Charts for assisting in the selection of suitable glasses for cemented doublets.

London, Trans. Opt. Soc. **19** 1917–1918 (169–177).

535·318

Gillman, L M

1919.08.20. Chromatic variation of spherical aberration in cemented doublets.

London, Trans. Opt. Soc. **21** 1919–1920 (53–64).

535·318

Smith, T

1920.12.15. The aberration theory of thin objectives constructed with three or more kinds of glass.

London, Trans. Opt. Soc. **22** 1920–1921 (111–121).

535·318

Smith, T
Milne, G

1920.12.15. A recalculation of the telescopic objectives of Steinheil and Voit.

London, Trans. Opt. Soc. **22** 1920–1921 (122–126).

535·318

Houstoun, R A

1921.01.13. Exhibit of a new erecting eyepiece.

London, Trans. Opt. Soc. **22** 1920–1921 (95).

535·318

Gifford, J W

1921.11.07. Achromatic one-radius doublet eyepieces.
London, Trans. Opt. Soc. **23** 1921–1922 (99–102).

535·318

Taylor, E Wilfred.

1922.01.27. The effect of changes of surface curvature at the focus of an astronomical object glass.
London, Trans. Opt. Soc. **23** 1921–1922 (241–245).

535·318

Taylor, E Wilfred.

1923.03.15. The primary and secondary image curves formed by a thin achromatic object glass with the object plane at infinity.
London, Trans. Opt. Soc. **24** 1922–1923 (321–325).

535·318

Gifford, J W

1923.12.05. The choice of wave-lengths for achromatism in telescopes.
London, Trans. Opt. Soc. **25** 1923–1924 (123–129).

535·318

Martin, L C

1924.02.14. Note on a convenient bench for testing telescope object glasses.
London, Trans. Opt. Soc. **25** 1923–1924 (209–212).

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Gleichen, Alexander.

1921.08.12. The path of rays in periscopes having an inverting system comprising two separated lenses.
London, Trans. Opt. Soc. **23** 1921–1922 (24–43).

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Smith, T

1921.11.30. The optical three aperture problem.
London, Trans. Opt. Soc. **23** 1921–1922 (132–140).

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Smith, T

1922.01.16. A projective treatment of the submarine periscope.
London, Trans. Opt. Soc. **23** 1921–1922 (217–219).

535.319

Smith, T

1923.02.16. The distribution of corrective duties in optical instruments.
London, Trans. Opt. Soc. **24** 1922–1923 (168–183).

535.32

Guild, J

1920.11.26. Note on the corrections for temperature and atmospheric pressure in refractometry.
London, Trans. Opt. Soc. **22** 1920–1921 (153–155).

535.32 : 666.221

Twyman, F
Dalladay, A J

1922.01.21. Variation in refractive index near the surface of glass melts.
London, Trans. Opt. Soc. **23** 1921–1922 (131).

535.321

Glazebrook, [Sir] R[ichard] T

1904.01.21. The Optical Society and the National Physical Laboratory.
London, Trans. Opt. Soc. **5** 1903–1904 (56–86).

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Chalmers, S D

1914.01.08. Note on Mr Gifford's method of measuring refractive indices.

London, Trans. Opt. Soc. **14** 1913–1914 (57–58).

535·321

Searle, G F C

1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.

London, Trans. Opt. Soc. **16** 1915–1916 (189–223).

535·321 + 531.717

Martin, L C

1916.12.14. On the refractometry and identification of glass specimens—especially lenses.

London, Trans. Opt. Soc. **17** 1916 (76–92, 97–106).

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Clay, Reginald S

1916.12.14. A workshop method of determining the refractive index of a block of glass, of which only one face is polished.

London, Trans. Opt. Soc. **17** 1916 (93–106).

535·321

Martin, L C

1917.10.11. Exhibit of apparatus for determination of refractive index by immersion.

London, Trans. Opt. Soc. **18** Suppl. 1917 (21 S).

535·321

Anderson, John S

1920.05.26. Immersion refractometry.

London, Trans. Opt. Soc. **21** 1919–1920 (195–216).

535·321

Guild, J
Dale, A Barbara.
1920.11.26. On critical angle refractometry.
London, Trans. Opt. Soc. 22 1920–1921 (143–152).

535·321

Anderson, John S
1922.12.14. A simple differential method of refractometry for liquids.
London, Trans. Opt. Soc. 24 1922–1923 (49–51).

535·322

Clay, R S
1917.01.11. Exhibit of instrument for measuring the refractive index of a transparent solid.
London, Trans. Opt. Soc. 18 Suppl. 1917 (9 S).

535·322

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1917.01.11. Exhibit of instrument for measuring the refractive index of a liquid.
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535·322

Jackson, [Sir] H[erbert].
1917.01.11. Exhibit of Pulfrich refractometer.
London, Trans. Opt. Soc. 18 Suppl. 1917 (19 S–20 S).

535·322

National Physical Laboratory.
1917.01.11. Exhibit of apparatus for the commercial testing of the refractive properties of optical glass.
London, Trans. Opt. Soc. 18 Suppl. 1917 (21 S–24 S).

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Anderson, John S

1920.12.15. A simple differential refractometer for liquids.
London, Trans. Opt. Soc. **22** 1920–1921 (156–160).

535·33 (021)

Foote, Paul D
Mohler, F L

1922. The origin of spectra.
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Fowler, A

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London: Fleetway Press Ltd., 3–9, Dane St., High Holborn, W.C. 1. Pp. 182; 12 figs. and 5 plates. 12*s.* 6*d.*, post free 13*s.*; bound in cloth 15*s.* 6*d.*, post free 16*s.*
London, Trans. Opt. Soc. **23** 1921–1922 (295).

535·34 + 535·736

Martin, L C

1917.04.12. Light filters for eye protection.
London, Trans. Opt. Soc. **18** 1917 (73–113).

535·341

Phillips, L W

1905.02.13. The measurement of absorption in tinted glasses.
London, Trans. Opt. Soc. **6** 1904–1905 (43–62).

535·36

Dow, J S
Mackinney, V H

1910.10.13. Surface brightness and a new instrument for its measurement.
London, Trans. Opt. Soc. **12** 1910–1911 (66–104).

535·37

Coque, Max.

1912.11.14. On the production of light by living beings.
London, Trans. Opt. Soc. 13 1911–1913 (34–62).

535·37

Sutcliffe, J H

1915.11.25. The influence of visual errors in musketry.
London, Trans. Opt. Soc. 16 1915–1916 (1–16).

535·37

Glew, F Harrison.

1916.06.08. Radium and other luminous compounds.
London, Trans. Opt. Soc. 16 1915–1916 (276–296).

535·37

National Physical Laboratory.

1917.01.11. Exhibit of luminosity tests of radium painted dials.
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Shackleton, W
Glew, F Harrison.

1920.05.20. Exhibit of fluorescent phenomena.
London, Trans. Opt. Soc. 21 1919–1920 (219).

535·417 (021)

Fabry, Ch.

1923. Les Applications des Interférences Lumineuses.
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Pp. 160; 58 figs. 10 fr.
London, Trans. Opt. Soc. 25 1923–1924 (39–40).

535.417 : 535.317

Perry, J W

1923.12.06. The determination of aberrations, as expressed in geometrical optics, from the indications of the Hilger interferometer.

London, Trans. Opt. Soc. **25** 1923–1924 (97–106).

535.417 : 535.317

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Kingslake, R

1924.02.14. The measurement of chromatic aberration on the Hilger lens testing interferometer.

London, Trans. Opt. Soc. **25** 1923–1924 (213–218).

535.417 : 535.85

Twyman, F

1921.01.25. An interferometer for testing camera lenses.

London, Trans. Opt. Soc. **22** 1920–1921 (174–193).

535.417 : 578.2

Twyman, F

1923.01.27. The Hilger microscope interferometer.

London, Trans. Opt. Soc. **24** 1922–1923 (189–208).

535.417 : 681.42

Hilger, Ltd., Adam.

1917.01.11. Exhibit of new apparatus and process for the finishing of prisms and lenses or combinations of the same.

London, Trans. Opt. Soc. **18** Suppl. 1917 (15 S).

535.42

Dale, A Barbara.

1920.05.25. The contact setting of small discs.

London, Trans. Opt. Soc. **21** 1919–1920 (187–194).

535.421 + 52.221

Wood, R W

1910.09.29. The Thomas Young oration.
London, Trans. Opt. Soc. **12** 1910–1911 (22–65).

535.424

Glazebrook, [Sir] R[ichard] T

1908.02.20. Notes on resolving power and definition in optical instruments.
London, Trans. Opt. Soc. **9** 1907–1908 (94–106).

535.424

Drysdale, Charles V

1913.11.13. Some new optical instruments.
London, Trans. Opt. Soc. **14** 1913–1914 (19–39).

535.424

Tinsley and Co., H

1917.01.11. Exhibit of definition tester.
London, Trans. Opt. Soc. **18** Suppl. 1917 (39 S–40 S).

535.424

Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of iron plate for testing definition and colour correction.
London, Trans. Opt. Soc. **18** Suppl. 1917 (48 S–49 S).

535.5

Thompson, Silvanus [P]

1911.11.16. On the polarisation of light.
London, Trans. Opt. Soc. **13** 1911–1913 (2–6).

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Cheshire, F J

1919.05.08. Lecture on polarisation.
London, Trans. Opt. Soc. **20** 1918–1919 (293).

535·5 : 539·3

Coker, E G

1916.10.12. On stresses in transparent materials as revealed by polarised light.

London, Trans. Opt. Soc. 17 1916 (3–22).

535·511

Cheshire, F J

1919.12.11. Exhibit of a projection spectropolariscope.

London, Trans. Opt. Soc. 21 1919–1920 (102–103).

535·511 (09)

Cheshire, F J

1921.11.27. Polariscopes; a few typical forms of early instruments in the South Kensington Museum.

London, Trans. Opt. Soc. 23 1921–1922 (246–255).

535·511 : 535·315

Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of polariscope for testing strain in the prisms of a binocular.

London, Trans. Opt. Soc. 18 Suppl. 1917 (49 S–50 S).

535·511 : 666.22

Ross, Ltd.

1917.01.11. Exhibit of large polariscope for testing optical glass for internal strain and determining the presence of striæ.

London, Trans. Opt. Soc. 18 Suppl. 1917 (33 S–34 S).

535·55

Chance Bros. & Co., Ltd.

1917.01.11. Exhibit of wave plate for the rapid approximate assessment of double refraction in glass.

London, Trans. Opt. Soc. 18 Suppl. 1917 (7 S–9 S)

535·583

Gifford, J W

1915.04.15. A revised system of comparative optics.
London, Trans. Opt. Soc. 15 1914–1915 (187–202, 204–215).

535·583

Lamplough, F E
Mathews, I Maud.

1918.01.10. Relative dispersion and achromatism.
London, Trans. Opt. Soc. 19 1917–1918 (83–100).

535·583

Nelson, E M

1918.06. Note by E. M. Nelson on the paper "Relative dispersion and achromatism" by F. E. Lamplough and I. Maud Mathews, *Trans. Opt. Soc.* 19 1917–1918 (83).
London, Trans. Opt. Soc. 19 1917–1918 (186).

535·583

Mathews, I Maud.

1919.03. Reply by I. Maud Mathews to E. M. Nelson's note on dispersion formulæ.
London, Trans. Opt. Soc. 20 1918–1919 (200–202).

535.6

Cann-Lippincott, R C

1906.04.19. Production of colour by colourless media.
London, Trans. Opt. Soc. 7 1905–1906 (96–105).

535.61

Searle, G F C

1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.
London, Trans. Opt. Soc. 16 1915–1916 (189–223).

535.62

Stanley, F

1913.06.12. The practical measurement of colour and the sensitiveness of the eye to small changes in hue.
London, Trans. Opt. Soc. 13 1911–1913 (184–195).

535·7

Crichton-Browne, Sir James.

1915.01.20. The Thomas Young oration.
London, Trans. Opt. Soc. 15 Suppl. 1914–1915 (1–36).

535·7

French, James Weir.

1919.04.02. The unaided eye. Part I.
London, Trans. Opt. Soc. 20 1918–1919 (209–236).

535·7

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1919.06.06. The unaided eye. Part II.
London, Trans. Opt. Soc. 21 1919–1920 (1–33).

535·7

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1920.01.31. The unaided eye. Part III.
London, Trans. Opt. Soc. 21 1919–1920 (127–156).

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Sheard, Charles.

1921.10.13. The Thomas Young oration. Some important physical and physiological relationships between radiant energy and the visual apparatus and processes.
London, Trans. Opt. Soc. 23 1921–1922 (1–23).

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Swaine, William.

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535·7 (09)

Tscherning, M H E

1907.10.17. The Thomas Young oration. The development of the science of physiological optics in the nineteenth century.
London, Trans. Opt. Soc. **9** 1907–1908 (1–21).

535·7 : 578.1

Fincham, E F

1924.02.01. A new form of corneal microscope with combined slit lamp illuminating device.
London, Trans. Opt. Soc. **25** 1923–1924 (113–122).

535·7.08 + 535·83

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1910.06.09. Demonstration of ophthalmological and other instruments.
London, Trans. Opt. Soc. **12** 1910–1911 (5–21).

535·7.08

French, James Weir.

1921.10.19. The interocular distance.
London, Trans. Opt. Soc. **23** 1921–1922 (44–55, 220–222).

535·73

Reeves, Prentice.

1920.04.29. The reaction of the eye to light.
London, Trans. Opt. Soc. **22** 1920–1921 (1–14).

535·73 : 535·83

Hanson, R J E
1920.11.11. Visual fatigue and eye strain in the use of telescopes.
London, Trans. Opt. Soc. **22** 1920–1921 (26–28).

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Burch, G J
1908.04.07. On colour vision.
London, Trans. Opt. Soc. 9 1907–1908 (107–123).

535·733·1

Edridge-Green, F W
1909.10.21. The theory of vision and colour perception.
London, Trans. Opt. Soc. 11 1909–1910 (10–25).

535·733·1

Drysdale, Charles V
1913.11.13. Some new optical instruments.
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535·733·3

Drysdale, Charles V
1913.11.13. Some new optical instruments.
London, Trans. Opt. Soc. 14 1913–1914 (19–39).

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Hopwood, F L
1921.10.21. An auto stroboscope and an incandescent colour top.
London, Trans. Opt. Soc. 23 1921–1922 (93–98).

535·736

Dow, J S
1910.05.25. The effect of illumination on acuteness of vision.
London, Trans. Opt. Soc. 11 1909–1910 (124–140).

535·736

Ettles, W

1911.06.08. Exhibit of a number of pieces of apparatus.
London, Trans. Opt. Soc. **12** 1910–1911 (160).

535·736 + 535·34

Martin, L C

1917.04.12. Light filters for eye protection.
London, Trans. Opt. Soc. **18** 1917 (73–113).

535·736

Chalmers, S D

1919.05.28. Recognition of detail.
London, Trans. Opt. Soc. **20** 1918–1919 (297–314).

535·736

Gardiner, J H

1922.11.30. Sir William Crookes' anti-glare glasses.
London, Trans. Opt. Soc. **24** 1922–1923 (102–103).

535·736 : 629.113.018

Walsh, John W T

1922.05.11. Glare from motor headlights.
London, Trans. Opt. Soc. **23** 1921–1922 (256–263).

535·75

Laurance, Lionel.

1901.04.25. The relationship between accommodation and convergence in ametropia.
London, Trans. Opt. Soc. **2** 1900–1901 (47–58).

535·75

Wright, W J

1909.01.21. Advantages and disadvantages of objective and subjective methods of sight-testing.
London, Trans. Opt. Soc. **10** 1908–1909 (5–15).

535·75

Ettles, W

1911.06.08. Exhibit of a number of pieces of apparatus.
London, Trans. Opt. Soc. **12** 1910–1911 (160).

535·75

Eberhardt, John C

1913.09.15. A lecture on visual optics.
London, Trans. Opt. Soc. **14** 1913–1914 (1–18).

535·75

Ettles, William.

1914.12.10. On ophthalmological instrument design, with special reference to accuracy and rapidity of working.
London, Trans. Opt. Soc. **15** 1914–1915 (35–77).

535·75

Salt, William.

1915.06.03. Optical accessories.
London, Trans. Opt. Soc. **15** 1914–1915 (256–274).

535·75

von Rohr, M

1922.11.30. On the available means for correcting cases of considerable anisometropia.
London, Trans. Opt. Soc. **24** 1922–1923 (92–96).

535·75

Whitwell, A

1922.11.30. On the best form of spectacle lenses for the correction of small amounts of anisometropia.
London, Trans. Opt. Soc. **24** 1922–1923 (96–101).

535·75

Swaine, W

1923.11.22. A suggested standard trial case and simplification in ophthalmic policy.
London, Trans. Opt. Soc. **25** 1923–1924 (73–88).

535·75 (021)

Laurance, Lionel.

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535·75 : 623·555

Sutcliffe, J H

1915.11.25. The influence of visual errors in musketry.
London, Trans. Opt. Soc. **16** 1915–1916 (1–16).

535·753

Selfe, H M

1901.06.20. The astigometer.
London, Trans. Opt. Soc. **2** 1900–1901 (59–65).

535·753

Clay, R S

1915.02.04. On testing astigmatism. (A discussion.)
London, Trans. Opt. Soc. **15** 1914–1915 (99–105).

535·753

Ryland, Herbert S

1922.05.15. An improved subjective test for astigmatism.
London, Trans. Opt. Soc. **23** 1921–1922 (333).

535·762

Barber, T W

1904.06.21. Binocular vision and the theory of the stereoscope.
London, Trans. Opt. Soc. **5** 1903–1904 (145–167).

535.762

Trump, R J

1924.05.23. Binocular vision and the stereoscopic sense.
London, Trans. Opt. Soc. 25 1923–1924 (261–272).

535.767

French, James Weir.

1923.04.11. Stereoscopy re-stated.
London, Trans. Opt. Soc. 24 1922–1923 (226–256).

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Smith, T

1922.05.08. The classification of optical instruments.
London, Trans. Opt. Soc. 23 1921–1922 (323–327).

535.8 (021)

Gleichen, Alexander.

1921. The Theory of Modern Optical Instruments. Translated from the German by H. H. Emsley, B.Sc. and W. Swaine, B.Sc. Second edition.
London: H.M. Stationery Office 1921. Pp. xii + 365, figs. 241 and 2. 12*s.* 6*d.* net or 13*s.* 6*d.* post free.
London, Trans. Opt. Soc. 23 1921–1922 (224).

535.8 + 623.462.5] (021)

Gleichen, Alexander.

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London, Trans. Opt. Soc. 20 1918–1919 (204).

535.8 : 535.24

Drysdale, Charles V

1913.11.13. Some new optical instruments.
London, Trans. Opt. Soc. 14 1913–1914 (19–39).

535.8 : 535.24

Guild, J

1921.12.23. The photometry of optical instruments.
London, Trans. Opt. Soc. 23 1921–1922 (205–216).

535.8 : 621.716.3

Eden, E M

1918.03.14. Gauge projection apparatus with large field of view lens.
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535.8.0012

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London, Trans. Opt. Soc. 4 1902–1903 (11–40).

535.8.0014

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London, Trans. Opt. Soc. 3 1901–1902 (70–101).

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Connolly, T F

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Connolly, T F

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London, Trans. Opt. Soc. 16 1915–1916 (118–119).

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Searle, G F C

1916.05.10. Apparatus used for the teaching of optics at the Cavendish Laboratory, Cambridge.

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1917.01.11. Exhibit of dioptriemeter.

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Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of microscope focometer.

London, Trans. Opt. Soc. **18** Suppl. 1917 (25 S–26 S).

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Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of focometer for measuring back focal lengths as designed by Zeiss.

London, Trans. Opt. Soc. **18** Suppl. 1917 (26 S–27 S).

535.81

Watson and Sons, Ltd., W

1917.01.11. Exhibit of apparatus for rapid comparisons of focal lengths.

London, Trans. Opt. Soc. **18** Suppl. 1917 (43 S–44 S).

535.81 + 52.693

Connolly, T F

1917.03.08. A variable angle collimator.
London, Trans. Opt. Soc. 18 1917 (62–68).

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Cheshire, F J

1919.12.11. Exhibit of a foco-collimator.
London, Trans. Opt. Soc. 22 1920–1921 (29).

535.81

Smith, T

1922.12.01. A large aperture aplanatic lens not corrected for colour.
London, Trans. Opt. Soc. 24 1922–1923 (22–30).

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Drysdale, Charles V

1902.05.15. The testing of optical instruments.
London, Trans. Opt. Soc. 3 1901–1902 (70–101).

535.82

Cambridge Scientific Instrument Co., Ltd.

1917.01.11. Exhibit of workshop reading microscope.
London, Trans. Opt. Soc. 18 Suppl. 1917 (3 S–5 S).

535.82 + 531.717

Hughes and Son, Ltd., Henry.

1917.01.11. Exhibit of a measuring microscope for workshop purposes.
London, Trans. Opt. Soc. 18 Suppl. 1917 (15 S–19 S).

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Connolly, T F

1921.02.09. Note on a handy form of measuring microscope.
London, Trans. Opt. Soc. 22 1920–1921 (194–198).

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Dixey, W A

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London, Trans. Opt. Soc. 2 1900–1901 (13–20).

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Kaempfer, D

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Berger, [E]

1902.01.23. On the necessity for reforms in spectacles for near work—stereoscopic spectacles.
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Drysdale, Charles V

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Dixey, W A

1904.11.14. Periscopic lenses.
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Drysdale, [C V]

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Chalmers, S D

1907.06.20. The effects of distance on high power spherocylindrical lenses.

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535.83

Taylor, H L

1907.12.19. High power cylindrical lenses.

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1909.03.18. On some improvements in the methods of trial case testing at the National Physical Laboratory, with a discussion of certain theoretical questions relating to the focus of a lens.

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535.83 + 535.7.08

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1910.06.09. Demonstration of ophthalmological and other instruments.

London, Trans. Opt. Soc. 12 1910–1911 (5–21).

535.83

Green, Walter.

1913.04.10. On difficulties met with in filling prescriptions for spectacles.

London, Trans. Opt. Soc. 13 1911–1913 (124–161).

535.83

Drysdale, Charles V

1913.11.13. Some new optical instruments.

London, Trans. Opt. Soc. 14 1913–1914 (19–39).

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Klughardt,

1914.05.14. On some new forms of spectacle lenses.

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Clay, R S

1917.01.11. Exhibit of apparatus for testing binocular glasses.

London, Trans. Opt. Soc. 18 Suppl. 1917 (9 S–11 S).

535.83

Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of testing parallelism in prismatic binoculars.

London, Trans. Opt. Soc. 18 Suppl. 1917 (27 S–29 S).

535.83

Raphael's, Ltd.

1917.01.11. Exhibit of lens measure.

London, Trans. Opt. Soc. 18 Suppl. 1917 (33 S).

535.83

Tinsley and Co., H

1917.01.11. Exhibit of apparatus for testing the magnification, field of view, and illumination of field glasses or small telescopes.

London, Trans. Opt. Soc. 18 Suppl. 1917 (37 S–38 S).

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Tinsley and Co., H

1917.01.11. Exhibit of binocular parallelism tester.
London, Trans. Opt. Soc. **18** Suppl. 1917 (38 S).

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Woolwich Inspection Department (D.I.O.S.).

1917.01.11. Exhibit of machine for testing and adjusting the parallelism of binoculars.
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Ryland, Herbert S

1918.01.10. An improved binocular of the Galilean type.
London, Trans. Opt. Soc. **19** 1917–1918 (101–102).

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Williams, A C

1919.01.09. The design and inspection of certain optical munitions of war.
London, Trans. Opt. Soc. **20** 1918–1919 (97–120).

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Gifford, J William.

1920.04.12. A short high power telescope.
London, Trans. Opt. Soc. **21** 1919–1920 (171–175).

535.83

Hughes, H A
Everitt, P F

1920.10.14. On the field of view of a Galilean telescope.
London, Trans. Opt. Soc. **22** 1920–1921 (15–19).

535.83

Henrici, E O

1920.10.25. The use of telescopes with internal focussing for stadia surveying.
London, Trans. Opt. Soc. **22** 1920–1921 (20–25).

535.83

Taylor, H Dennis.

1921.01.13. A new anastigmatic flat field telescope and its application to prismatic binoculars.
London, Trans. Opt. Soc. **22** 1920–1921 (63–74).

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Smith, T

1921.01.13. Note on the Galilean binocular.
London, Trans. Opt. Soc. **22** 1920–1921 (84–87).

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Barton, J H

1921.01.13. Exhibit of the Britannic homogeneous-prism binocular.
London, Trans. Opt. Soc. **22** 1920–1921 (91).

535.83

Dixey, W A

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London, Trans. Opt. Soc. **24** 1922–1923 (72–75).

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Swaine, W

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London, Trans. Opt. Soc. **24** 1922–1923 (79–89).

535.83

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535.83 (021)

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535.83 + 535.7] (021)

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London: The Hatton Press, Ltd. Pp. 152: 22 figs. 5*s*. net.
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535.83 (43)

Williams, A C

1917.11.08. Description of certain optical stores which have been captured from the enemy.
London, Trans. Opt. Soc. **19** 1917–1918 (53–82).

535.83 + 623.462.2] (43)

Williams, A C

1918.11.14. Exhibit of captured German optical instruments.
London, Trans. Opt. Soc. **20** 1918–1919 (39).

535.83 : 535.73

Hanson, R J E

1920.11.11. Visual fatigue and eye strain in the use of telescopes.

London, Trans. Opt. Soc. **22** 1920–1921 (26–28).

535.83.00272

Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of eyepiece for testing the squaring-on of telescope O.Gs.

London, Trans. Opt. Soc. **18** Suppl. 1917 (24 S).

535.83.00272

Cheshire, F J

1921.06.09. Note on an eye-piece for testing the squaring-on of telescope object glasses.

London, Trans. Opt. Soc. **22** 1920–1921 (235–236).

535.84

Mackinney, Val H

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Gill, Sir David.

1912.12.12. On the construction of astronomical instruments.

London, Trans. Opt. Soc. **13** 1911–1913 (64–97).

535.84

Penrose and Co., Ltd., A W

1917.01.11. Exhibit of spectroscopic camera.

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535.84

Penrose and Co., Ltd., A W

1917.01.11. Exhibit of quartz spectrographic apparatus.

London, Trans. Opt. Soc. **18** Suppl. 1917 (31 S–32 S).

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Martin, L C

1919.12.11. Exhibit of a spectrometer made by Messrs E. R. Watts and Son.

London, Trans. Opt. Soc. 21 1919–1920 (104–105).

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Smith, L W C

1921.01.13. Exhibit of a direct vision star spectroscope.

London, Trans. Opt. Soc. 22 1920–1921 (92).

535.84

Hilger, Ltd., Adam.

1922.10.12. Exhibit of a new constant deviation wave length spectrometer of small size.

London, Trans. Opt. Soc. 24 1922–1923 (48).

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1902.05.15. The testing of optical instruments.

London, Trans. Opt. Soc. 3 1901–1902 (70–101).

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Glazebrook, [Sir] R T

1904.01.21. The Optical Society and the National Physical Laboratory.

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Chalmers, S D

1904.02.18. The testing of photographic lenses.

London, Trans. Opt. Soc. 5 1903–1904 (87–107).

535.85

Chalmers, S D

1906.03.29. Measurement of aberrations of photographic lenses.

London, Trans. Opt. Soc. 7 1905–1906 (86–95).

535.85

Hanson, E T

1923.07.28. Notes on the elementary algebraic theory of a class of photographic objectives.

London, Trans. Opt. Soc. 25 1923–1924 (1–12).

535.85

Lee, H W

1924.04.09. The Taylor-Hobson F/2 Anastigmat.

London, Trans. Opt. Soc. 25 1923–1924 (240–248).

535.85 : 535.317

Smith, T

Anderson, John S

1921.12.19. A criticism of the nodal slide as an aid in testing photographic lenses.

London, Trans. Opt. Soc. 23 1921–1922 (188–196).

535.85 : 535.417

Twyman, F

1921.01.25. An interferometer for testing camera lenses.
London, Trans. Opt. Soc. **22** 1920–1921 (174–193).

535.86

Dixey, W A

1915.02.04. On the design, details of construction, and use of trench periscopes. (A discussion.)
London, Trans. Opt. Soc. **15** 1914–1915 (78–98).

535.86

Williams, A C

1919.01.09. The design and inspection of certain optical munitions of war.
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535.86 (43)

Williams, A C

1917.11.08. Description of certain optical stores which have been captured from the enemy.
London, Trans. Opt. Soc. **19** 1917–1918 (53–82).

535.86 (43)

Williams, A C

1918.10.10. Exhibit of two German periscopes.
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535.86 (43)

Martin, L C

1919.06.12. Description of Goerz submarine periscope adapted for high-angle work.
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535.87

Mackinney, Val H
Chalmers, S D
1911.10.26. A new form of reflector for illuminating flat surfaces.
London, Trans. Opt. Soc. 13 1911–1913 (1).

535.87

Chalmers, S D
1912.11.14. The use of mirrors as condensers.
London, Trans. Opt. Soc. 13 1911–1913 (63).

535.88

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1902.05.15. The testing of optical instruments.
London, Trans. Opt. Soc. 3 1901–1902 (70–101).

535.88

Rosenhain, W
1905.06.23. Lighthouses.
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1908.05.21. The optics of light projection.
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Cheshire, Frederic J
1908.05.21. Some new optical projection apparatus.
London, Trans. Opt. Soc. 9 1907–1908 (154–166).

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Wright, R S
1913.05.08. On recent advances in optical projection work.
London, Trans. Opt. Soc. 13 1911–1913 (162–178).

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Dow, J S

1915.05.13. The design of searchlights and projectors and the visibility of distant illuminated objects.
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536.51

Harker, J A

1907.01.16. Thermometer glass.
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538.74+52.241

Hughes, H A

1912.03.14. Some new optical instruments. Demonstration of new compass and sextant.
London, Trans. Opt. Soc. 13 1911–1913 (28).

538.74

Hughes, Henry A

1915.12.09. Improvements in prismatic compasses with special reference to the Creagh-Osborne patent compass.
London, Trans. Opt. Soc. 16 1915–1916 (17–43).

538.74

Smith, F E

1916.03.09. On the manufacture and testing of prismatic and other compasses.
London, Trans. Opt. Soc. 16 1915–1916 (120–161).

538.74

Starling, S G

1917.06.14. Aeroplane compasses.
London, Trans. Opt. Soc. 18 1917 (221–236).

539.3 : 535.5

Coker, E G

1916.10.12. On stresses in transparent materials as revealed by polarised light.

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539.31 : 666.224

Dalladay, A J
Twyman, F

1921.11.14. The stress conditions surrounding a diamond cut in glass.

London, Trans. Opt. Soc. 23 1921–1922 (165–169).

539.31 : 666.224

Dalladay, A J

1922.02.20. Some measurements of the stresses produced at the surfaces of glass by grinding with loose abrasives.

London, Trans. Opt. Soc. 23 1921–1922 (170–174).

539.63

Beilby, G T

1907.11.21. Researches on polished surfaces.

London, Trans. Opt. Soc. 9 1907–1908 (22–71).

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Rayleigh, Lord.

1917.10.11. Polish.

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548.9 : 549.634

Thompson, Silvanus P

1901.11.28. The optical and physical properties of mica.

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549.634

Wiggins, Harold P
1913.02.13. On the mining, preparation and uses of mica.
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Thompson, Silvanus P
1901.11.28. The optical and physical properties of mica.
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551.521.1 (078)

Whipple, Robert S
1915.03.11. Instruments for the measurement of solar radiation.
London, Trans. Opt. Soc. 15 1914–1915 (106–182).

551.57

Dixey, W A
1903.02.19. Hygrometry.
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Walls, Robert R
1920.02.10. The rock crystal of Brazil.
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Tully, B J
1909.12.16. The properties of precious stones.
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Rosenhain, Walter.
1907.04.18. The Presidential address.
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578 (022)

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578.1 : 535.7

Fincham, E F

1924.02.01. A new form of corneal microscope with combined slit lamp illuminating device.
London, Trans. Opt. Soc. 25 1923–1924 (113–122).

578.2 : 535.417

Twyman, F

1923.01.27. The Hilger microscope interferometer.
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578.22

Watson and Sons, Ltd., W

1917.01.11. Exhibit of micrometer for measuring the separation of microscope lenses.
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Cheshire, F J

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578.3

Barton, J H

1923.04.12. Exhibit of a new research microscope.
London, Trans. Opt. Soc. 24 1922–1923 (184–186).

578.3 (09)

Pollard, Alan F[araday] C[ampbell]

1922.04.27. The mechanical construction of the microscope from an historical standpoint, with special reference to certain instruments now in the Science Museum, South Kensington.
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578.4

Hilger, Ltd., Adam.

1922.10.12. Exhibit of a profile or contour observing attachment for microscope.
London, Trans. Opt. Soc. 24 1922–1923 (48).

578.4

Hilger, Ltd., Adam.

1922.10.12. Exhibit of an interference accessory for testing microscope stands and fine adjustments.
London, Trans. Opt. Soc. 24 1922–1923 (48–49).

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Coque, Max.

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London, Trans. Opt. Soc. 13 1911–1913 (34–62).

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Coque, Max.

1912.11.14. On the production of light by living beings.
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612.84

Bull, A J
1905.04.17. Some notes on the nature of vision.
London, Trans. Opt. Soc. 6 1904–1905 (76–91).

612.841

Ettles, W
1907.02.21. The ophthalmometer.
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612.842.1

Taylor, Harry L
1906.05.17. Theories of accommodation of the eye.
London, Trans. Opt. Soc. 7 1905–1906 (106–133).

612.842.61

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1907.02.21. The ophthalmometer.
London, Trans. Opt. Soc. 8 1906–1907 (53–73).

612.842.61

Sutcliffe, John H
1907.03.21. One-position ophthalmometry.
London, Trans. Opt. Soc. 8 1906–1907 (74–102).

612.842.61

Ryland, H S
1910.11.10. On ophthalmic instruments.
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612.843

Edridge-Green, F W
1912.02.08. Some new visual phenomena.
London, Trans. Opt. Soc. 13 1911–1913 (10–22).

612.843.1

Burton, C V
1913.12.11. Fatigue observations.
London, Trans. Opt. Soc. 14 1913–1914 (41–45).

612.843.11 + 77.86

Boatman, H A
Patey, H C
1912.04.11. Colour photography for opticians.
London, Trans. Opt. Soc. 13 1911–1913 (30–33).

612.843.12 + 535.317

Chalmers, S D
1912.03.14. Spherical aberration effects.
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612.843.12

Salomonson, J K A Wertheim.
1921.01.13. A new ophthalmoscope.
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612.843.4

Barrett, W F
1906.06.28. Entoptic vision.
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617.749.5

Emsley, H H
Fincham, E F
1922.01.18. Diffraction halos in normal and glaucomatous eyes.
London, Trans. Opt. Soc. 23 1921–1922 (225–240).

617.761

Ettles, William.
1903.11.19. The optical treatment of concomitant esotropia.
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617.761

Dixey, W A

1907.06.20. To measure fusion power of eyes.
London, Trans. Opt. Soc. **8** 1906–1907 (167–169).

617.761

Dobson, Margaret.

1922.11.30. Notes on the non-operative treatment of squint.
London, Trans. Opt. Soc. **24** 1922–1923 (101–102).

621.32 + 665] (09)

Drysdale, C V

1906.12.11. The evolution of artificial lighting.
London, Trans. Opt. Soc. **8** 1906–1907 (33–50).

621.325.2

Edison and Swan United Electric Light Co.

1917.01.11. Exhibit of Pointolite lamp.
London, Trans. Opt. Soc. **18** Suppl. 1917 (15 S).

621.362

Bellingham, L

1913.06.12. Recent developments in thermo-piles as applied to optical instruments.
London, Trans. Opt. Soc. **13** 1911–1913 (179–183).

621.716.3 : 535.8

Eden, E M

1918.03.14. Gauge projection apparatus with large field of view lens.
London, Trans. Opt. Soc. **19** 1917–1918 (138).

621.822

Baker, T Y

1919.06.12. An instrument for testing the accuracy of ball bearings.
London, Trans. Opt. Soc. **20** 1918–1919 (343–344).

621.881.1

Cambridge Scientific Instrument Co., Ltd.

1917.01.11. Exhibit of screw measuring machine.
London, Trans. Opt. Soc. **18** Suppl. 1917 (2 S–3 S).

621.921

Rosenhain, Walter.

1910.04.21. On abrasives and polishing materials.
London, Trans. Opt. Soc. **11** 1909–1910 (112–123).

621.921

French, James Weir.

1917.10.11. The grading of carborundum for optical purposes.
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623.462.1 + 623.462.5

Baker, T Y

1910.03.17. Optical instruments for naval purposes.
London, Trans. Opt. Soc. **11** 1909–1910 (65–106).

623.462.1

Ministry of Munitions, Optical Department.

1917.01.11. Exhibit of apparatus for testing parallax in telescope sights for rifles.
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623.462.1

Williams, A C

1919.01.09. The design and inspection of certain optical munitions of war.
London, Trans. Opt. Soc. **20** 1918–1919 (97–120).

623.462.1 (43)

Williams, A C

1917.11.08. Description of certain optical stores which have been captured from the enemy.

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623.462.1 (43)

Anderson, John S

Dale, A Barbara.

1919.06.11. Description of three German naval gun-sighting telescopes.

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623.462.2

Williams, A C

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Lucking, R J
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627.93

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Ryland, Herbert S

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629.113.018

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Ettles, William.

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665 + 621.32] (09)

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1924.03.05. The preparation of coppered glass mirrors.
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666.173.0042

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1922.12.14. An immersion method of measuring the internal diameters of transparent tubes.
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Rosenhain, Walter.

1903.06.15. Some properties of glass.
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Withey, W H

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Dalladay, A J

1922.01.21. Variation in refractive index near the surfaces of glass melts.
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Preston, F W

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Dalladay, A J
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668.466 : 681.42

French, James W

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1923.01.06. On the properties of pitch used in working optical glass.

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1903.04.16. Presidential address.
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Glazebrook, [Sir] R[ichard] T

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Angus, H F

1902.01.23. On the secret of German progress.
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Dixey, W A

1901.03.28. The education of the optician. (Presidential address.)
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Chalmers, S D
1916.01.06. The use of graticules in binoculars and telescopes.
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Rheinberg, Julius.
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1899.12.21. Optical standards.
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1900.03.22. The centring of spectacle lenses.
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Salt, W
1906.01.18. Optical standards.
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681.411 + 535 (071)

Walmsley, R Mullineux.
1906.03.15. Presidential address.
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Selby, F J
1907.05.16. The testing of trial cases.
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London, Trans. Opt. Soc. **24** 1922–1923 (72–109).

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1922.11.30. Standards of accuracy for ophthalmic prescriptions.
London, Trans. Opt. Soc. **24** 1922–1923 (75–78).

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Raxworthy, Henry C

1922.11.30. The "Ocentric" eye-glass.
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Ryland, Herbert S

1922.11.30. The manufacture of gold-filled spectacle frames.
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681.411 (09)

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1913.03.13. On the evolution of eyeglasses and spectacles.
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von Rohr, M

1923.11.27. The Thomas Young oration. Contributions to the history of the spectacle trade from the earliest times to Thomas Young's appearance.
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1916.11.09. Some notes on glass grinding and polishing.
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1917.02.08. More notes on glass grinding and polishing.
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1917.03.08. A simple method of determining the size of the tool required for a given block of lenses.
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Smith, T

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Lan-Davis, Cyril F

1910.12.13. On the theory of the iris diaphragm.
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Trump, R J

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Taylor, H Dennis.

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Bull, A J

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Patey, H C
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77.864

Bull, A J
Jolley, A C
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London, Trans. Opt. Soc. 5 1903–1904 (31–55).

92 (**Chalmers**, S. D.)

R , W
Smith, T
Obituary Notice
Stephen Drummond Chalmers, M.A.
London, Trans. Opt. Soc. 21 1919–1920 (110–111).

92 (**Dunscombe**, M. W.)

S[utcliffe], J H
Obituary Notice.
Matthew William Dunscombe.
London, Trans. Opt. Soc. 20 1918–1919 (208).

92 (**Esslemont**, A. S.)

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Alfred Sherwood Esslemont, C.B.E.
London, Trans. Opt. Soc. 20 1918–1919 (41).

92 (**Ettles**, W. J. McC.)

S[utcliffe], J H
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92 (Rayleigh)

Glazebrook, Sir R[ichard] T
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Fowler, A
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1916.10.12. The late Professor Silvanus Thompson.
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92 (Young, Thomas)

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